



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPL. NO.: 10/679,706 ART UNIT: 2838

APPLICANT: William B. Duff, Jr. EXAMINER: N/A

FILING DATE: October 3, 2003

TITLE: Method and Circuit for Using Polarized Device in AC Applications

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to the guidelines for Information Disclosure Statements, 37 C.F.R. §§ 1.97-1.98, attached hereto is PTO Form 1449 (Three Sheets) with references listed for consideration by the Office.

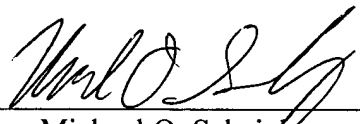
All references were cited in US Patent Application No.: 09/710,998 now Patent No. 6,633,154 from which the present application claims priority and additional copies are therefore not provided.

In accordance with 37 C.F.R. §§ 1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed before the mailing of a first Office action on the merits.

Respectfully submitted,

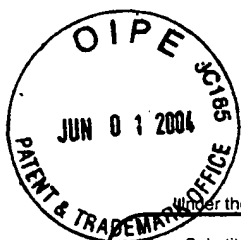
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**CERTIFICATE OF MAILING**

I hereby certify that this paper or fee is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 28, 2004.

By:   
Name: Margarita Márquez-Escalona



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

4

**Complete if Known**

Application Number	10/679,706
Filing Date	10/03/2003
First Named Inventor	William B. Duff, Jr.
Art Unit	2838
Examiner Name	N/A
Attorney Docket Number	DUFF:002CON

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A	US- 3,392,808	7/1968	Frank	
	B	US- 3,931,565	1/1976	Hase	
	C	US- 4,227,139	10/1980	Rosink et al.	
	D	US- 4,408,269	10/1983	Nowaczyk	
	E	US- 4,412,278	10/1983	Cambier et al.	
	F	US- 4,445,379	5/1984	Yamaguchi et al.	
	G	US- 4,456,880	6/1984	Warner	
	H	US- 4,463,414	7/1984	Landis	
	I	US- 4,523,269	6/1985	Baker et al.	
	J	US- 4,581,681	4/1986	Feilhauer	
	K	US- 4,648,700	3/1987	Nagaoka	
	L	US- 4,672,289	6/1987	Ghosh et al.	
	M	US- 4,672,290	6/1987	Ghosh et al.	
	N	US- 4,716,515	12/1987	Alexander	
	O	US- 4,794,288	12/1988	Lewus	
	P	US- 4,795,951	1/1989	Gaebel et al.	
	Q	US- 4,804,985	2/1989	Reilich	
	R	US- 4,853,607	8/1989	Walter et al.	
	S	US- 4,975,796	12/1990	MacDougall	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	T	DE 1588519	12/1967			
	U	DE 1588519	12/1970			
	V	DE 4401955	7/1995			

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/679,706
				Filing Date	10/03/2003
				First Named Inventor	William B. Duff, Jr.
				Art Unit	2838
				Examiner Name	N/A
Sheet	2	of	4	Attorney Docket Number	DUFF:002CON

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	W	Siemens Matsushita Components GmbH & Co. KG, Ordering No. B426-P2612-X-X-7600 (Data Book), p. 9, (1999) (printed in Germany DB 11987.5).		
	X	The Art Of Electronics, Second Edition, eds. Horowitz and Hill, Cambridge University Press, pp. 22, 69-72, 77-79, 84-87, 1989.		
	Y	The Electronics Problem Solver (Revised), Research and Education Association, pp. 118-120, 423-427, 436-439, 1988.		
	Z	Dorf, Introduction to Electric Circuits, John Wiley and Sons, 1989.		
	AA	IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Systems, Institute of Electrical and Electronics Engineers, pp. 7-11, 35-39, 1993.		
	BB	Whitaker. AC Power Systems, CRC Press, pp. 121-125, 1991.		
	CC	Elgerd, Electric Energy Systems Theory, McGraw-Hill, pp. 469-470, 1982.		
	DD	Standard Handbook for Electrical Engineers Twelfth Edition, eds. Fink and Beaty, McGraw-Hill, pp. 18.51-18.52, 1987.		
	FF	Nilsson, Electric Circuits, Third Edition, Addison-Wesley Publishing, pp. 756-759, 763, 1990.		
	GG	Stevenson, Jr., Elements of Power System Analysis, Fourth Edition, pp. 248-267, 1982.		

Examiner Signature		Date Considered	
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Sheet 3 of 4

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		Number-Kind Code <sup>2</sup> (if known)			
	HH	US- 5,008,795	4/1991	Parsley et al.	
	II	US- 5,045,774	9/1991	Bromberg	
	JJ	US- 5,063,340	11/1991	Kalenowsky	
	KK	US- 5,063,490	11/1991	Maehara et al.	
	LL	US- 5,077,520	12/1991	Schweitzer, Jr.	
	MM	US- 5,089,949	2/1992	Gentile	
	NN	US- 5,412,557	5/1995	Lauw	
	OO	US- 5,450,014	9/1995	Lee	
	PP	US- 5,502,375	3/1996	Marek	
	QQ	US- 5,545,933	8/1996	Okamura et al.	
	RR	US- 5,598,080	1/1997	Jensen et al.	
	SS	US- 5,705,974	1/1998	Patel et al.	
	TT	US- 5,714,864	2/1998	Rose et al.	
	UU	US- 5,731,948	3/1998	Yializis et al.	
	VV	US- 5,777,840	7/1998	Oney	
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Sheet	4	of	4	Attorney Docket Number	DUFF:002CON

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	WW	Product catalog, "Capacitors," Cornell-Dubilier, pp. 2.161-2.180, Feb. 2000.	

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